

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A high temperature gas seal, wherein the seal is unsintered ~~and has a porosity less than 50%~~ and which is substantially free of binder; said seal formed from firing an unfired state comprising ceramic fibres, ceramic powder and a binder and having a pre-fired porosity between about 25% to about 50%, which increases upon firing to between about 35% to about 60%.
2. (Original) The seal of claim 1 for use in a high temperature fuel cell.
3. (Original) The seal of claim 2 wherein the ceramic fibres and ceramic powder may be the same material or different and may comprise alumina or zirconia.
4. (Original) The seal of claim 3 wherein the seal has a pre-fired porosity of less than about 45%
5. (Original) The seal of claim 4 wherein the seal has a pre-fired porosity of less than about 40%.
6. (Original) The seal of claim 5 wherein the seal has a pre-fired porosity of less than about 35%.
7. (Original) The seal of claim 1 to 6, which is formed by a tape casting process.
8. (Original) The seal of claim 7 which has a fired porosity of less then about 50%.
9. (Original) The seal of claim 8 which has a fired porosity of less then about 45%.
10. (Original) The seal of claim 9 which has a fired porosity of less then about 40%.